

In the specification:

Insert the paper copy of the Sequence Listing filed herewith following the Drawings.

Replace the paragraph beginning at page 36, line 3 with the following rewritten paragraph:

*C. elegans* were grown on lawns of *E. coli* genetically engineered to produce double-stranded RNA (dsRNA) designed to inhibit PANZP1 or PANZP2 expression in order to investigate whether PANZP1 or PANZP2 expression is essential. Briefly, *E. coli* were transformed with genomic fragments encoding portions of the *C. elegans* PANZP1 or the PANZP2 gene. A 1048 nucleotide fragment was amplified from the PANZP1 gene using oligo-nucleotide primers containing the sequences 5'-TCAGTGACGTTATGTCCTCC-3' (SEQ ID NO: {24}51) and 5'-TGACAGATGGAACATTCTCC-3' (SEQ ID NO: {22}52). A 926 nucleotide fragment was amplified from the PANZP2 gene using oligo -nucleotide primers containing the sequences 5'-ACTTCAGGACACGACTTGAC-3' (SEQ ID NO: {23}53) and 5'-CAATCAGAGATGGTAACTCC-3' (SEQ ID NO: {24}54) respectively. The cloned PANZP1 and PANZP2 genomic fragments were cloned separately into an *E. coli* expression vector between opposing T7 polymerase promoters. The expression clones were separately transformed into a strain of *E. coli* that carries an IPTG-inducible T7 polymerase. As a control, *E. coli* was transformed with a gene encoding the Green Fluorescent Protein (GFP).